

**United States Department of Agriculture
Animal & Plant Health Inspection Service
Plant Protection & Quarantine**



Emergency Preparedness and Response

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U.S. Agriculture - a National Resource

Value Toward GDP	\$1.24 Trillion or 12.3% of GDP
Direct and Related Employment	16.7% or 1 in 6 Jobs

“Most reliable, secure and safe supply of food at a reasonable cost that the world has ever known”



Source: Agricultural Statistics Board (National Agricultural Statistics Service)

Plant Protection Act of 2000

The Plant Protection Act provides PPQ

- Regulatory responsibility
- Regulatory authority
- Resources

to prevent the dissemination of plant pests, pathogens and noxious weeds into and through the United States.

Plant Protection Act of 2000

- Authority to seize, quarantine, treat, apply mitigating measures to, or destroy any plant, plant part, plant pest, noxious weed, bio control organism, article or means of conveyance that presents a plant pest risk.
- Authority to work in cooperation with states, organizations, associations and other entities to carry out control or eradication programs.

Plant Protection Act of 2000

- Declaration of Emergency
 - Declared by the Secretary of Agriculture
 - Triggers the release of funds from other sources in USDA
- Declaration of Extraordinary Emergency
 - Declared by the Secretary of Agriculture
 - Gives PPQ full authority to take actions within intrastate commerce

Recent Emergency Incidents

- Fruit Flies at various locations
- European Gypsy Moth
- Grasshopper



Recent Emergency Incidents

- Asian Gypsy Moth
- Karnal Bunt
- Asian Longhorn Beetle



Recent Emergency Incidents

- Emerald Ash Borer
- Plum Pox
- Citrus Canker



Challenges and Impacts

- Globalization
- Free Trade Agreements
- Threat of Agriculture Bioterrorism
- Vast Transportation Systems
- Increased Internet Commerce
- Resource Transfer to DHS



Emergency Preparedness and Response Strategies

- Implement Incident Command System
- Establish Emergency Coordinators
- Develop Emergency Action Plans
- Develop Response Infrastructure
- Improve Early Warning Systems
- Increase Scientific and Technological Capacity

National Incident Management System (NIMS)

- Homeland Security Presidential Directive: to enhance the ability of the U.S. to manage domestic incidents by establishing a single, comprehensive national incident management system.
- Incident = an occurrence, caused by either humans or natural phenomena, that requires action by emergency service personnel to prevent loss of life or damage to property and/or natural resources.

National Incident Management System (NIMS)

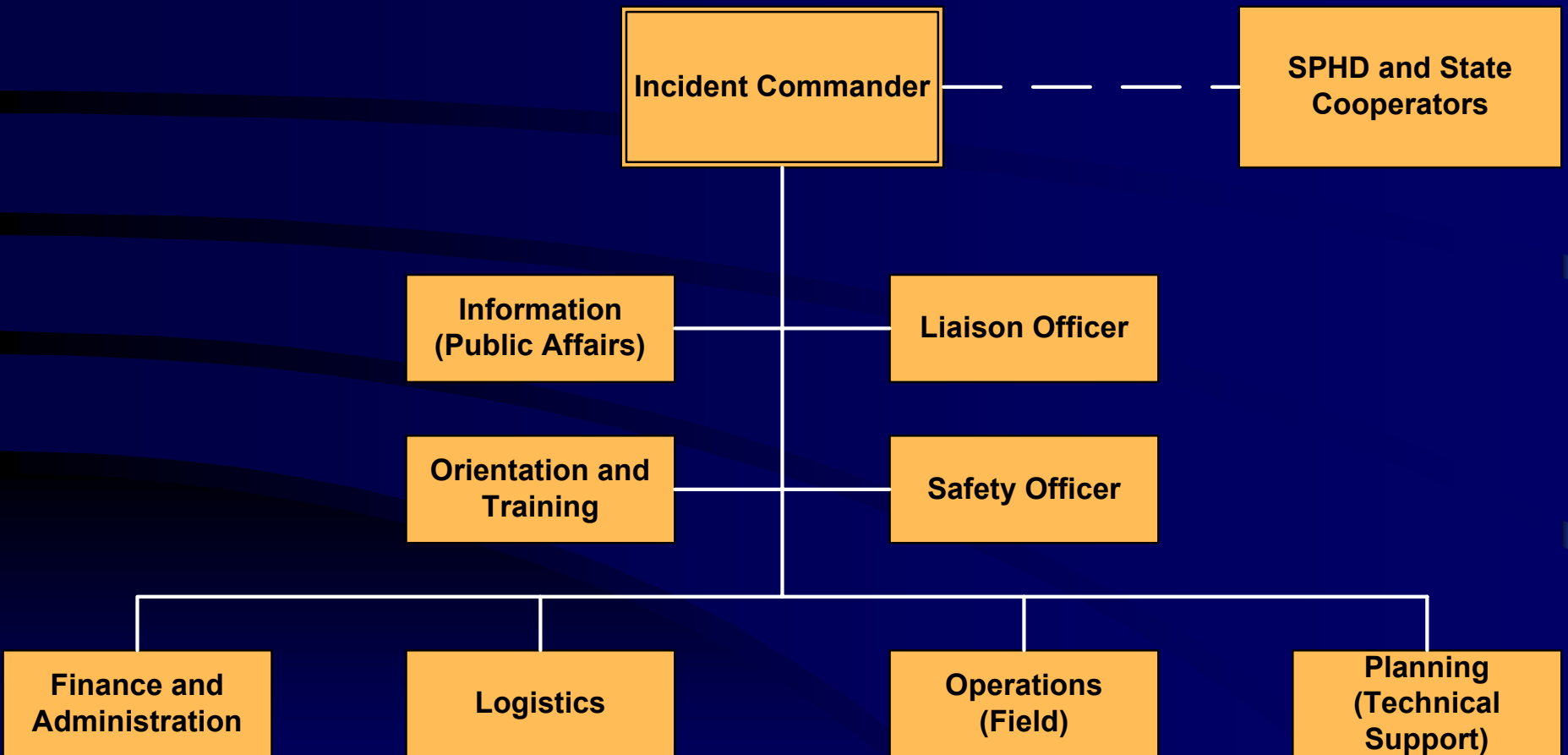
USDA Memorandum (March 17, 2003):

- NIMS to be implemented across all USDA agencies
- Transition from current contingency-specific organizational approach to USDA NIMS model
- Establish appropriate management structures

Incident Command System (ICS)

- Structured management tool for command, control and coordination of resources and personnel at emergency scenes.
- All states will be required to use ICS by FY 2005
- PPQ is incorporating ICS into its emergency response function

Incident Command Structure



Emergency Coordinators

During an incident:

- Incorporate ICS into emergency response structure
- Serve as liaison with cooperators and industry
- Direct activities of an incident
- Assess severity and scope of an incident
- Determine incident objectives and response strategies
- Establish priorities for action
- Order demobilization when appropriate

Emergency Coordinators

When not actively involved in an incident:

- Assists State, Federal and local officials in developing emergency action plans
- Serves as liaison with State, Federal and industry organizations
- Assists in administering emergency management cooperative agreements
- Develops and delivers an emergency management training program
- Develop response infrastructure (NIMS)

Emergency Response Infrastructure

- Department of Homeland Security
- Emergency Programs Staff (Headquarters)
- Emergency Coordinators (Regional Offices)
- State Plant Health Directors
- State Regulatory Agencies
- Land Grant Universities
- University Extension Service
- Cooperative State Research Education and Extension Service (CSREES)
- Other Federal, State, and Local Agencies

Improve Early Warning Systems

- Offshore Pest Information System (OPIS)
- NAPPO Phytosanitary Alert System
- Global Pest & Disease Database (GPDD)
- National Agricultural Pest Information System (NAPIS)
- Pest Detection and CAPS
- Emergency Action Notification Database
- Safeguarding Interdiction and Trade Compliance

Increase Scientific and Technological Capacity

- Conduct Risk Analysis and Assessment
- Evaluate biological control agents
- Develop exotic pest list
- Enhance monitoring capability
- Improve Pest Detection methods
- Improved Treatments and Controls
- Geographical Information Systems (GIS)
- Integrated Survey Information System (ISIS)

